

ABSTRACT

The invention relates to a cooling device comprising a heat-conducting cooling plate (6) on the side of the electronic power components (5) to be cooled and a platelike cooling fluid distributing device (4). The distributing device has cooling fluid outlets (9) on the side facing the cooling plate (6), said outlets being arranged at a distance from and pointing towards the cooling plate (6). The distributing device (4) also comprises at least one drain outlet (10) for the cooling fluid. The invention aims at providing a cooling device which is suitable for different forms and number of power components and ensures even cooling throughout the entire cooling surface for different forms and number of power components while simplifying the production of said cooling device. In order to achieve said aims, the cooling device (4) comprises a first plate (1) in which outlets (9) and a plurality of drain outlets (10) are evenly distributed and a second plate (2) and a third plate (3) which are superimposed, wherein two plates (1, 2; 2, 3;) define a feed channel (13) that is connected to all outlets (9) and a drain channel (12) that is connected to all drain outlets (10).